

Pranoprofen

Catalog No: tcsc2378



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:
52549-17-4

Formula:
 $C_{15}H_{13}NO_3$

Pathway:
Immunology/Inflammation

Target:
PGE synthase

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Observed Molecular Weight:
255.27

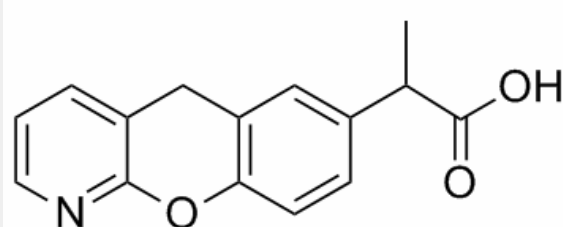
Product Description

Pranoprofen is a non-steroidal anti-inflammatory drug used in ophthalmology.

Target: PGE2

Pranoprofen 0.1% was found to be as effective as diclofenac sodium 0.1% in reducing inflammation and pain after strabismus surgery. Pranoprofen could be used as a safe and effective anti-inflammatory alternative for the treatment of inflammation following

strabismus surgery [1]. pranoprofen has efficacy equivalent to a moderate-potency corticosteroid with a better safety profile. It should be considered for the treatment of chronic conjunctivitis of presumed nonbacterial origin [2]. Pranoprofen inhibited ER stress-induced glucose regulated protein 78 (GRP78) expression, an ER-localized molecular chaperon. Moreover, pranoprofen inhibited ER stress-induced CCAAT/enhancer-binding protein homologous protein (CHOP) expression, an apoptotic transcription factor. the inhibitory effect of pranoprofen on ER stress-related genes (GRP78 and CHOP) would be mediated through the inhibition of XBP-1 splicing [3].



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